

28	118	3.4	1361	4	US-07-757-022B-40	Sequence 40, Appl
29	118	3.4	1363	4	US-07-757-022B-52	Sequence 52, Appl
30	118	3.4	1404	4	US-07-757-022B-2	Sequence 2, Appl
31	118	3.4	1404	4	US-07-757-022B-62	Sequence 62, Appl
32	118	3.4	1404	4	US-10-164-595-78	Sequence 78, Appl
33	117	3.4	1426	3	US-09-136-574A-43	Sequence 43, Appl
34	117	3.4	8991	4	US-08-714-741-32	Sequence 32, Appl
35	116.5	3.4	2052	2	US-08-790-912-2	Sequence 2, Appl
36	116.5	3.4	1964	2	US-08-790-912-3	Sequence 3, Appl
37	116	3.3	1384	3	US-08-976-255-11	Sequence 11, Appl
38	115.5	3.3	1719	2	US-08-459-568-4	Sequence 4, Appl
39	115.5	3.3	1719	2	US-08-399-411-4	Sequence 4, Appl
40	115.5	3.3	1719	3	US-08-516-859A-4	Sequence 4, Appl
41	115.5	3.3	1719	4	US-09-586-472-4	Sequence 4, Appl
42	115.5	3.3	1719	4	US-09-528-706-4	Sequence 4, Appl
43	114.5	3.3	325	4	US-09-510-031A-2	Sequence 2, Appl
44	114.5	3.3	641	3	US-08-961-083-160	Sequence 160, App
45	114.5	3.3	641	4	US-09-536-784-160	Sequence 160, App

ALIGNMENTS

RESULT 1
US-08-993-228-21
Sequence 21, Application US/08993228
Patent No. 5976838
GENERAL INFORMATION:
APPLICANT: Jacobs, Kenneth
APPLICANT: McCoy, John M.
APPLICANT: Lavallie, Edward R.
APPLICANT: Racie, Lisa A.
APPLICANT: Merberg, David
APPLICANT: Treacy, Maurice
APPLICANT: Spaulding, Vikki
APPLICANT: Agostino, Michael J.
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: MA
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/993,228
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Sprunger, Suzanne A.
REGISTRATION NUMBER: 41,323
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8284
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 828 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-993-228-21

Query Match 41.6%; Score 1446.5; DB 2; Length 828;
Best Local Similarity 57.7%; Pred. No. 1.8e-126;
Matches 300; Conservative 65; Mismatches 124; Indels 31; Gaps 10;

28	51.6	1.4	909	4	US-09-252-991A-13568	Sequence 13568, A
C 29	51.6	1.4	3129	4	US-09-252-991A-13873	Sequence 13873, A
C 30	51.6	1.4	4188	4	US-09-252-991A-13774	Sequence 13774, A
31	51.6	1.4	8211	4	US-09-252-991A-13656	Sequence 13656, A
32	50.4	1.4	1317	4	US-09-252-991A-6463	Sequence 6463, Ap
33	50.2	1.4	1416	4	US-09-252-991A-2955	Sequence 2955, Ap
C 34	50.2	1.4	1512	4	US-09-252-991A-2728	Sequence 2728, Ap
C 35	50	1.4	7218	1	US-08-232-463-14	Sequence 14, Appl
C 36	49.8	1.3	2435	4	US-09-484-970B-134	Sequence 134, Appl
C 37	49.8	1.3	152331	3	US-09-128-155-16	Sequence 16, Appl
38	49.4	1.3	3177	1	US-08-042-747A-4	Sequence 4, Appli
C 39	49	1.3	364	4	US-09-621-976-17202	Sequence 17202, A
40	48.8	1.3	408	4	US-09-252-991A-3047	Sequence 3047, Ap
C 41	48.8	1.3	1752	4	US-09-679-686B-17	Sequence 17, Appl
42	48.8	1.3	13842	3	US-09-105-537-30	Sequence 30, Appl
43	48.8	1.3	36778	3	US-09-105-537-5	Sequence 5, Appli
44	48.8	1.3	38506	3	US-09-320-878-19	Sequence 19, Appli
45	48.8	1.3	38506	4	US-09-141-908-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-08-993-228-20
 ; Sequence 20, Application US/08993228
 ; Patent No. 5976838
 ; GENERAL INFORMATION:
 ; APPLICANT: Jacobs, Kenneth
 ; APPLICANT: McCoy, John M.
 ; APPLICANT: Lavallee, Edward R.
 ; APPLICANT: Racie, Lisa A.
 ; APPLICANT: Merberg, David
 ; APPLICANT: Treacy, Maurice
 ; APPLICANT: Spaulding, Vikki
 ; APPLICANT: Agostino, Michael J.
 ; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
 ; TITLE OF INVENTION: ENCODING THEM
 ; NUMBER OF SEQUENCES: 33
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genetics Institute, Inc.
 ; STREET: 87 CambridgePark Drive
 ; CITY: Cambridge
 ; STATE: MA
 ; COUNTRY: U.S.A.
 ; ZIP: 02140
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/993,228
 ; FILING DATE:
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Sprunger, Suzanne A.
 ; REGISTRATION NUMBER: 41,323
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 498-8284
 ; TELEFAX: (617) 876-5851
 ; INFORMATION FOR SEQ ID NO: 20:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 3113 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: Double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; US-08-993-228-20

Query Match 10.0%; Score 370.2; DB 2; Length 3113;
 Best Local Similarity 56.4%; Pred. No. 3.4e-71;
 Matches 874; Conservative 0; Mismatches 608; Indels 69; Gaps 7;

QY 214 GCGCAGGAGACACGGCGATGAAGAACGTCGCGGTGCTACTGCGCGCTCTGGT 273
Db 1038 GGTCAAGAGTGAATAAAGATGAATAATACCTGTGCTGTCTATCTCAGACCTCTGGAT 1097
QY 274 GAGAAGAACCCCAACCACTGAAGCTGTGTGTGCGCGCGGCGTCAACCTGAGCGGTGGAG 333
Db 1098 GAAAAGATACATCAATGAAGCTGTGTGTGCTGTGTTGGAGTCAATTAATCTGTGTGGAG 1157
QY 334 CCMAATGAGACACGCTGGATAGAG-----TCAGCCAGCGCCGCGCC 381
Db 1158 ACCAGAGATGGTGTCTGTGTGTGGAGCAAGTGTATTTTACAGGATGTGTGTGTGG 1217
QY 382 GATCCCTGACCTGCGACCGCAGAGAGACGGCGAGTGTCTCAGAGTGTAGATAGTACAG 1277
Db 1218 GATACAGAGCGATAAACAGCGAGTGTCTCAGAGTGTAGATAGTGTAGTACAG 1277
QY 442 GAG---AAGAAGAGCGAGCTCCCTGTAATGAGACCGCACCTCAGCGCGGTGTGG 498
Db 1278 GAACCTTAAGGAACAGCAGAGAGAGTAAATAATCAAGAAATATCCAGTCTAGTGTGG 1337
QY 499 ATCTGTGACGACGCTGACACAGCAAGGTGTGTATCATCGACGCAACAGCGCGGC 558
Db 1338 ATCTGTGACGACGCTGACACAGCAAGGTGTGTATCATCGACGCAACAGCGGC 1397
QY 559 ACGTGTGTGACGACGCTGACACAGCAAGGTGTGTATCATCGACGCAACAGCGGC 618
Db 1398 AACATCTGACGACGCTGACACAGCAAGGTGTGTATCATCGACGCAACAGCGGC 1457
QY 619 GCGCAGGACGACGCTGACACAGCAAGGTGTGTATCATCGACGCAACAGCGGC 677
Db 1458 GGTGACGAGAAACAGACTACCTGCGAGGAGAGTCTTCAAGTGTGTGAGTAC 1517
QY 678 AGAGGAC-----CGGCGCAGATGCGGTG 705
Db 1518 AAACATCTTATCTGGAAGTATGACAGCAACAGCTCAGCAGAGACAGACGCTGTTA 1577
QY 706 GCGGTATACCTGTGTGTGTGCGCGGTGCAACGCTGCAACGCTGCGCGGAGCACTGCTCC 765
Db 1578 GAGGAGTATCAGT 1637
QY 766 TCCGAGGAGACACCGAGTCTAGACAGGCGGAGGAGTGTGTGTGTGTGTGTGTGTGTGT 825
Db 1638 AGTCAATGTGTCTTCTGAGTATGATGATGATGATGATGATGATGATGATGATGATGAT 1697
QY 826 GGGAGGTCAACCGCTCCAGTCCAGAGAGGCGCAGAGGCGCAGAGGCGCAGAGGCGCAG 885
Db 1698 GAGGTGTGATGAATGTTTCAACAGCAGAGAGAGCAACTGAAGCTACAGAGG---AAT 1754
QY 886 CTGGGCGGAGGCGCAGAGACAGCAGCAGTGTGCGCGCGGCTCTCAGAGCAGCAGTC 945
Db 1755 GCGGGGTGAGTGAAGACAGAGTGAATCTCCCAACTGCGCTCTACAGAGCAGTCTC 1814
QY 946 TTCACTGACCC-----AGCCCGACCGCGTCTCTGCGCGCGCGCGCTCTGCGCGCGCG 990
Db 1815 TTACAGATCTTTGGGAGTTGAGATCCAGAGACCTCTCCCACTGATGATGATGATGATGAT 1874
QY 991 ACCGAGAGCGGCGAGCGCTGACAGAGAGCAGCAGGCA---GAGCAGAGCGCGCAGC 1047
Db 1875 AATGACTCAGATGATTAAGATCAAAATATGAGTACTGCGCAATGAGAGAGTGTGGT 1934
QY 1048 GGGGACCCACGGGAGGAGCAGAGTGTGCGCGCGCGCTGCGCGCGCGCGCGCGCGCGCG 1107
Db 1935 AGAGAGAGCGCGAGAGATGAGTGTCTTTACCACTATGTTGGTGTGGAGTCAAAAT 1994
QY 1108 GCGT 1167
Db 1995 GCGT 2054
QY 1168 CTGAGGATCTGT 1227
Db 2055 CTGAGGATCTGT 2114

QY 1228 GAGGAGACCTGCGCATCTTCCACGCTGGTGAAGATGGCCAGTGGGATCTGAGCAACTAT 1287
Db 2115 GAGGAGACCTTCCATCTTTTACAGAGGAGTGGATGGGAGTGGATTTGTCAAACTAT 2174
QY 1288 CACTAATGAGCTGGGCGACCCCGCAGCCTCCATCGCTGAGTGGTGTGTGTGTGTGTGT 1347
Db 2175 CACTCTTAGACCTTGGAGCGCTCATCATTCATCGCTTGCATGCTGTGTGTGTGTGTGT 2234
QY 1348 CGCGT 1407
Db 2235 AAGTCTGT 2294
QY 1408 GAGAAGTCTTGTAGCGCCACCGCGCGGAGAGCAGGCTGGGCGAGTGGGCTGGATC 1467
Db 2295 GAGAAATCTTTGTGTGACATCCCGAGGAGAGCAGGCTGGGCGAGTGGGCTGGGCTG 2354
QY 1468 GGCATGCGCTGT 1527
Db 2355 GGGATGCGCTGT 2414
QY 1528 ACGCAGCAGCATCTACAGGAGCTGGACATTTGAGCCTTACGTACAGAGATGCTAGGACT 1587
Db 2415 ACTTATCAACATCTACAGGATGTGGACATTTGAGCCTTATGTAGCAAAATGTTAGGTACT 2474
QY 1588 GCGAGTGGT 1647
Db 2475 GGAATCTGGCTGT 2534
QY 1648 TGGGTGGGACCGGCAACGAGT 1698
Db 2535 TGGGTGGGACGAGAAATGT 2585

RESULT 2

US-09-023-173-4
; Sequence 4, Application US/09023173
; Patent No. 6066781
; GENERAL INFORMATION:
; APPLICANT: Sutliff, Thomas D.
; TITLE OF INVENTION: Production of Mature Proteins
; TITLE OF INVENTION: in Plants
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023.173
; FILING DATE: 13-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 50/038,168
; FILING DATE: 13-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Petithory, Joanne R
; REGISTRATION NUMBER: P42995
; REFERENCE/DOCKET NUMBER: 0665-0007.30
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1140 base pairs
; TYPE: nucleic acid